SITE	Carquinez Bridge	LATITUDE:	38-03.0
HAZARD:	Vessel Navigation	LONGITUDE: 122-15.5	122-15.5
VOLUME:	143,750 bbl		
DURATION:	3 days		

TRAJECTORY ANALYSIS

to Grizzly Bay and Honker Bay. expected to transport the oil westward into San Pablo Bay to approximately Pinole Point Pablo Bay within 3 days. Spreading of this spill in Suisun Bay could carry the oil across Physical spreading could cause the 143,750 bbl spill to spread completely across San to move the oil eastward across Suisun Bay. surface tension, and tidal dispersion. Spill transport on the flood tide would be expected and river flow, and spreading of the oil spill by physical processes such as gravity, hazard area. A spill trajectory envelope was calculated for the Carquinez Bridge vessel navigation The trajectory analysis considered oil transport by the wind, tidal currents, A spill during the ebb tide might be

transport oil on the flood tide across Suisun Bay to the mouths of the San Joaquin and could spread westward to the Golden Gate area. Westerly and southwesterly winds could oil into San Francisco Bay as far as Oakland Harbor. Oil transported south this way direction, strength, and persistence of local winds. Northerly winds could transport the Sacramento Rivers. Wind-induced surface currents could cause additional transport of oil depending on the Transport up these rivers would be limited by seasonal river flows

envelopes do not represent the trajectory of any one spill. A full discussion of the details used for and wind and assume pessimistic dispersion and other adverse weather conditions. These trajectory oil in the event of any spill. These spill trajectory envelopes represent the outer perimeter of shoreside areas that could receive preparing these spill envelopes is provided in Section 202.2. The envelopes are based on regional extremes of climate, tide, current,

1688-001-820

202-34